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No.

On pulmonary Consumption

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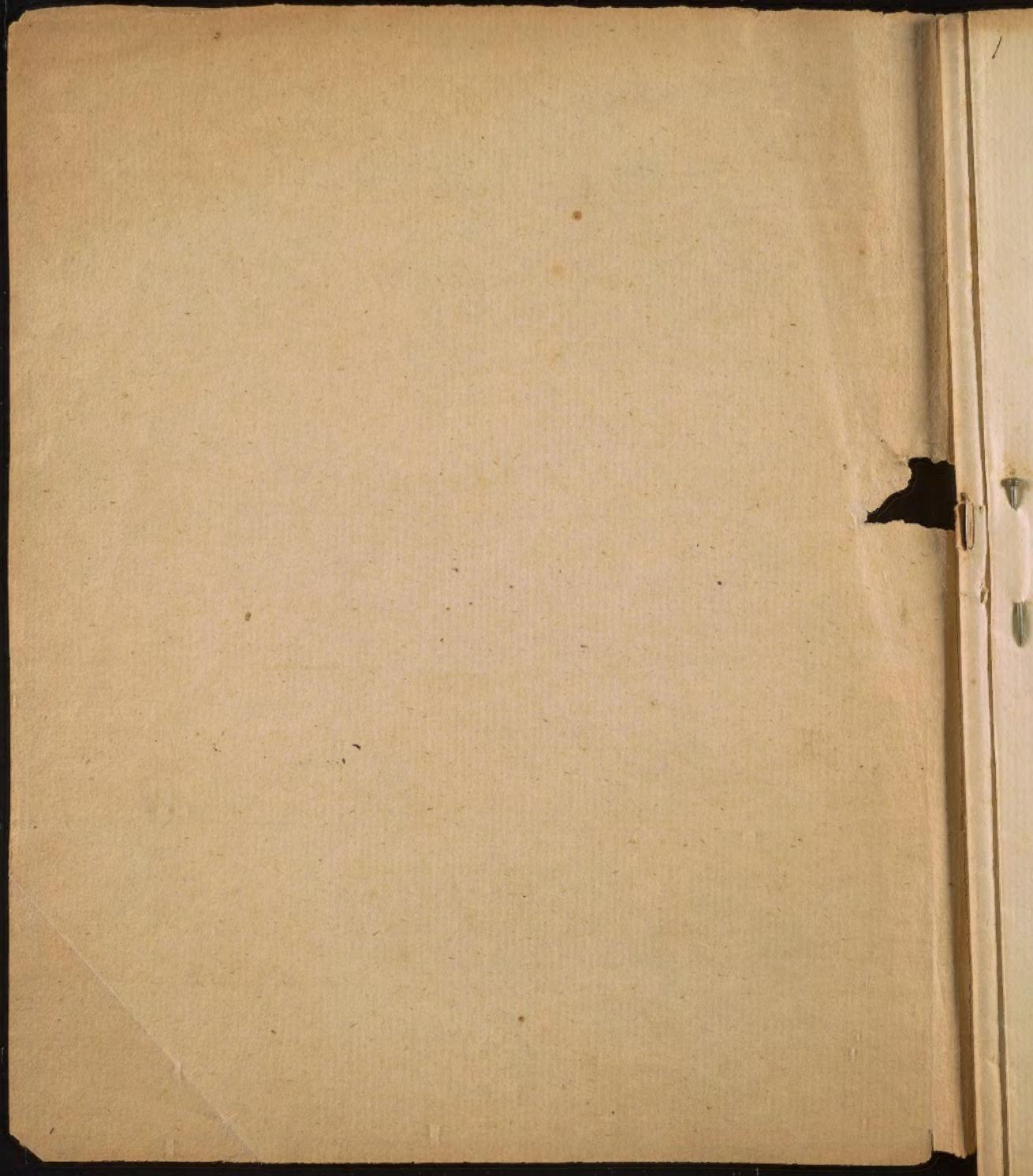
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Upon pulmonary Consumption.

I shall, in treating upon this disease, briefly sum up what I have published upon it, and with some additional facts and remarks. —

It is a highly interesting disease, for it composes, it has been supposed at least two thirds of all chronic diseases, and it is the channel that conveys from $\frac{1}{4}$ to $\frac{1}{8}$ part of the human race to the grave in many countries.

I have considered it in my inquiries as a chronic pneumonia, for which reason I have called it pneumonitis. It is not singular in being the protracted state of a disease that is commonly acute. We have chronic rheumatism - chronic gout - chronic

✓ I differ from Dr Litten in placing Cataracts
among the primary causes of ~~stroke~~^{consumption}, but
the Doctor seems to have been misled by his
theory of consumption & has never been
exclusively the effects of pulmonary in the
lungs.

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Hepatitis - Chronic Dysentery - & Chronic
fever. Why should we not have Chronic
pneumonia in?

The remote causes act primarily, second-
arily, and sympathetically upon the
lungs.

I The primary causes of pulmonary consumption
are pneumonia, Catarrh ^{Inflammation}, neglected in
their first stage, or improperly treated, asthma
wounds and contusions of the lungs - initia-
-ting matter inhaled into the lungs, and
malconformation of the breast. I am aware

II The secondary causes are Gout, Rheumatism
fevers of all kinds, and humors translated from
different parts of the body to the lungs. The
~~virus~~ of the venereal poison has sometimes
induced it in this way.

III The sympathetic causes are

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in other parts of the body, particularly
diseases & disorders in the liver, spleen, sto-
mach, bowels, heart & lungs. In these
cases there is no translation of ~~the disease~~
disease from any of the above organs. On
the contrary, disease exists in the part
first affected, at the same time that it ex-
ists in the lungs, and as I shall say here:
after the disease in the lungs can be cured
only by removing its sympathetic curse.

I shall deliver a few general propositions
upon the nature of this disease.

I. It is always preceded by general debility.
This is evident from all the causes which
induce it. You will then enumerated in
my inquiries. It may be said here that
this is not the case when pulmonary con-
sumption is induced by pneumonia. Is
= tends,

V to Death ~~breaks~~^{unites} the whole system
imparts its debility to them
~~as well as~~^{or rather than} ~~of their~~ debility, or un-
til they impart their debility to the
whole system. —

2 I infer general debility to produce pul-
monary Consumption from the occupa-
tions of persons who are most subject to it.
These are all of a debilitating nature. This
has been proved with great accuracy by Dr
Beddoes. He found most consumptions
among people who led sedentary lives,

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or by local injuries of the lungs. I admit
those acute forms of disease are not brought
on by ~~general~~^{chronic} debility, but I deny that
they ever produce Consumption until
~~they have continued long the~~ ^{the fever} consumption
-pulm's Abstinence, ^{them} which usually
accompany, have continued so long as to
weaken the whole system. In support
of this opinion, permit me to refer you
to the facts mentioned in my inquiries
of the patients and assistance ^{with} which the
lungs sustain ^{Diseased} wounds, and also
chronic diseases for many years without
bringing the Astorial system into a con-
-nunictive sympathy with them. They
are a hardy tissues, and very rarely admit
afford an entrance ^V become an avenue

✓ Until the cough has induced general debility, for a cough as a consumptive patient once said is "hard work"; that is it is of a most exhausting & debilitating nature.

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lives, especially if they worked in cold places while
he found greatest among those people who ~~used~~
~~laboured~~ ~~exercise~~ in the open air, even tho' they pursued
employments which exposed them to being wetted
with cold water - such as sailors - water men,
& fish wives. Butchers & cat gut makers tho'
exposed too so much to animal effluvia were
nearly exempted from it.

3 From its symptoms appearing first in the
whole system, sometime, & in some ~~cases~~ ^{instances},
for months & years before the lungs are
affected. These symptoms are weakness, fatigue
after a little exertion - weak appetite - headache
burning in the hands - cold feet - & occasional
diarrhoea. When ~~from~~ ^{if arises from a} Cough ~~not~~ ^{it does not take place} till ~~long~~ ^{long} has
~~insufficient~~ ^{insufficient} debility - ~~Cough had better not Harry is past~~

4 From its alternating with diseases of the whole
system, as rheumatism - weakness - Head Ach -
Dyspepsia, and diseases of the skin.

II. ~~The~~ The pulmonary Consumption is rated

3 a discharge of mucus - phlegm - a watery fluid. expectorated from the lungs for the patient when this is the case? as it saves the lungs from obstruction and disorganization. ~~together with~~^{is} with the mucus or without them ~~it~~ ^{it} is sometimes discharged from the lungs secreted from their surface. we see this after a common catarrh likewise. It is called the rotting of the cold. 5 ^{and} ~~the~~ The fluids when intrinsically determined to the lungs produce abscesses, and tubercles. ^{The former} I have supposed are formed in the branches of the pulmonary vessels - the latter in the branches of the bronchial vessels. No more takes place in all these products of a disease in the lungs =

like pneumonia in the ~~the~~^B blood vessels. These are affected primarily with different degrees of morbid action. This action is soon communicated to the lungs, where it exists, & haemoptysis. ~~If this discharge happens for~~ a patient tending to consumption where this discharge of blood from the lungs occurs in this stage of ~~this~~ his disease. It is local at first followed by small repetitions of it when indicated by the pulse, & by other remedies suited to the state of the system, the patient generally recovers. But if no hemorrhage occurs from the lungs, the blood which is ^{freed} ~~which~~ ^{are} prematurely digested ^{generally} ~~produces~~ ^{V.} ~~to them, producing also other tendencies. The more~~ ^{happens here, than occurs in many other} ^{parts in other parts of the body as in the liver,} kidneys - omnium - brain, & sometimes on the external parts of the body - The ulcers, and tumors & abscesses we find in

¶ It is true, they are often formed without
any obvious signs of debility or disease, - to ~~are~~
abscesses & obstructions in the lungs in India,
but they are the effects of violent fever in a
feeble state. In this state of the lungs
the cough ~~is~~ is at first dry & hard, and
remains so till the abscesses or tubercles burst,
and matter be discharged from them. Such fever is
dry and lasts ^{always} the effect of ~~tubercles~~ ^{atmos.}
¶ A few cases have occurred in which Hy-
datids have been ~~brought~~ and more, in which small
calumni have been discharged by coughing.

- The same matters are ^{likewise} the results of disease,
& effusions in other parts of the body. The
tubercles, I have said elsewhere are formed from
disease in the bronchial vessels. Abscesses from disease
in the blood vessels. These likewise are formed
from disease in other parts of the body,
as in the liver & intestines - where ^{do} not
cause them ^{being the cause of} Hepatitis or Jaundice.

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These places have uniformly been considered as
the effects of fever - Why should not fever produce
the same effects in the lungs? Why should na-
tural depart from a general law of disease, by
making Tubercles & Abscesses the cause of fever
in one case, - and the effects of it in every
other fever? She does not ^{do} so, but maintains
~~the~~ uniformity of ^{her} operations in this, as in all
other fevers. ~~I have said the consumptive fever~~
generally ends in tubercles or abscesses, but to
this remark there is sometimes an ex-
ception - The fluids determined to the lungs
are sometimes effused into the bronchii
and discharged in a kind of ^{or serum-} sputum
by coughing & expectoration, without producing
Abscess. or tubercles. In the above cases
disections show the lungs to be sound,
& yet the patient dies with all the
symptoms of pulmonary consumption.

V. It is known by a constant cough, &
a black coloured expectoration. Mr. Hanison
died with it - had hoarseness first from it - then
cough. Also Capt. Keen - had difficulty in ability
to swallow - hoarseness & humor caused by
leeches - broke - put up pins & died 1804
~~1804~~ See [] This black color is sometimes induced
by inhaling the air in which oil has been
burnt in lamps. The first expectoration in a
morning after an evening spent at the Theatre is
often of this color. —

But why should the blood vessels in the
consumptive fever empty ~~themselves~~^{any} upon the lungs more than upon ~~any~~^{other} part of the body? - I answer, - the lungs are naturally a dry part of the body, & disposed to receive morbid determinations - they are more over kept constantly in a state of predisposing & inviting debility by talking - going out at nights, and in all kinds of weather for persons who ~~are~~ have the premonitory signs of consumptions are seldom confined to their houses till long after their lungs are affected.

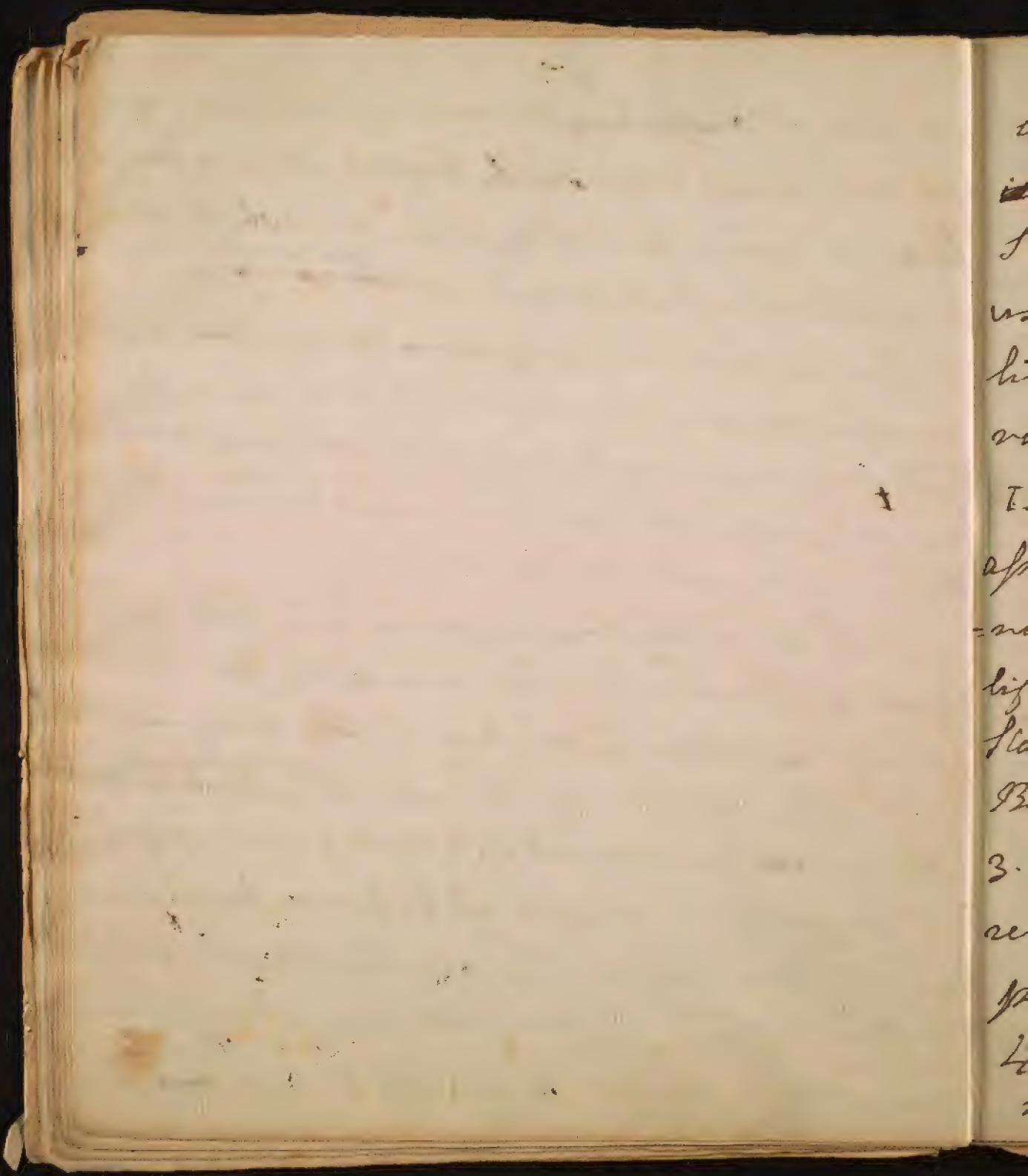
Sometimes the whole force of the consumptive disease falls upon the ^{Larynx or} Trachea instead of the lungs, producing there, either ^{Hemorrhage, or} an Ulcer ~~or~~ a constant ^{terrible} ~~terrible~~ destruction. I have called this ^{Laryngeal or} ~~terrible~~ Rachial Consumption. ^{✓ many} people have a terrible destruction ^{upon} the Trachea for 20, 30, 40, 50, & 60 years.

+ viz: Jonth Landz & father & Wm Bradford -

without ~~suffering~~^I falling into a consumpt.
— It is because in such people it is a mere
local disease — It is only when the ⁺ⁿ whole system
is debilitated that it ends in ~~prolongation~~^{Consumption}.

I wish you to impress this theory of the Con-
sumption on your minds, for it leads to the only
regular modes of preventing & curing it that have ever
been suggested. All cures performed by any other
theory are empirical & accidental.

It is not in consumption only that the
Effects of a disease have been mistaken for its
cause. The Water in the brain, — the membrane
in the Trachea — & a premature ^{secretion} of
bile have all been accused of producing Hydrocephal:
— Cynanche Thachialis — & bilious fevers where
as we now know they are the effects only
of those diseases in the order in which I have
mentioned them. It is high time to ^{heal} ~~put~~ the



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horses which drag the car of medicine before,
it instead of behind it. The earth, in our
Science has stood still long eno. — Let us
us believe at last, in spite of the great &
little Poxes of the Old School, that it revolves
round the Sun. —

III. The subacute Consumption Sometimes
appears an intermediate form between pneu-
monic & pneumonicular, & terminates in
life, or death in five or six weeks. In this
State it is called a galloping Consumption.
But it more commonly continues for
3. 6. 9. 12, & 18 months, & with intervals of
relief for $\frac{1}{3}$ - $\frac{1}{2}$, or through the whole
period of human life. Between my 18 &
~~46th~~ years I was several times affected with
this disease, and that to such a degree as to

¶ There it most commonly attaches
at the cessation of growth from 19. to 21.
for two reasons. 1 More blood is made than
is required for the nourishment of the body, &
2 no outlet exists for superfluous blood in
the Thymus Gland which is at this ^{time} generally
The capacity of the thorax ^{however} increases with age &
hence one cause of predisposition to Consumption ^{in the} appearing.
~~with age. It was~~ Consulted last winter by a young
man & a young woman & his sister ~~both~~
from north County who were both in
the first stage of pulmonary consumption. They
had lost 8 brothers & sisters within. Their mother
had died of the same disease at 46 & their
father was then ill ^{with} it in the 6th year of his
age. His ~~name~~ is David ~~1805~~

~~be attended with chills hectic fever & night~~
 sneats. The late Dr Nichols the patron &
 partner in lecturing with Dr Wm Hunter
 was subject to occasional attacks of this
 disease during his whole life & he lived to
 be above 80 years of age. —

IV It generally attacks persons under 36,
 sometimes above 40, but rarely above 60.
 Children are rarely affected with it, but I have
 seen it follow the hooping cough in them. A
 V Black eyed, & red people are most subject to it.
 Such persons have generally irritable habits &
 vibratile blood vessels. Long with black eyes in the
 nose or front of the head.

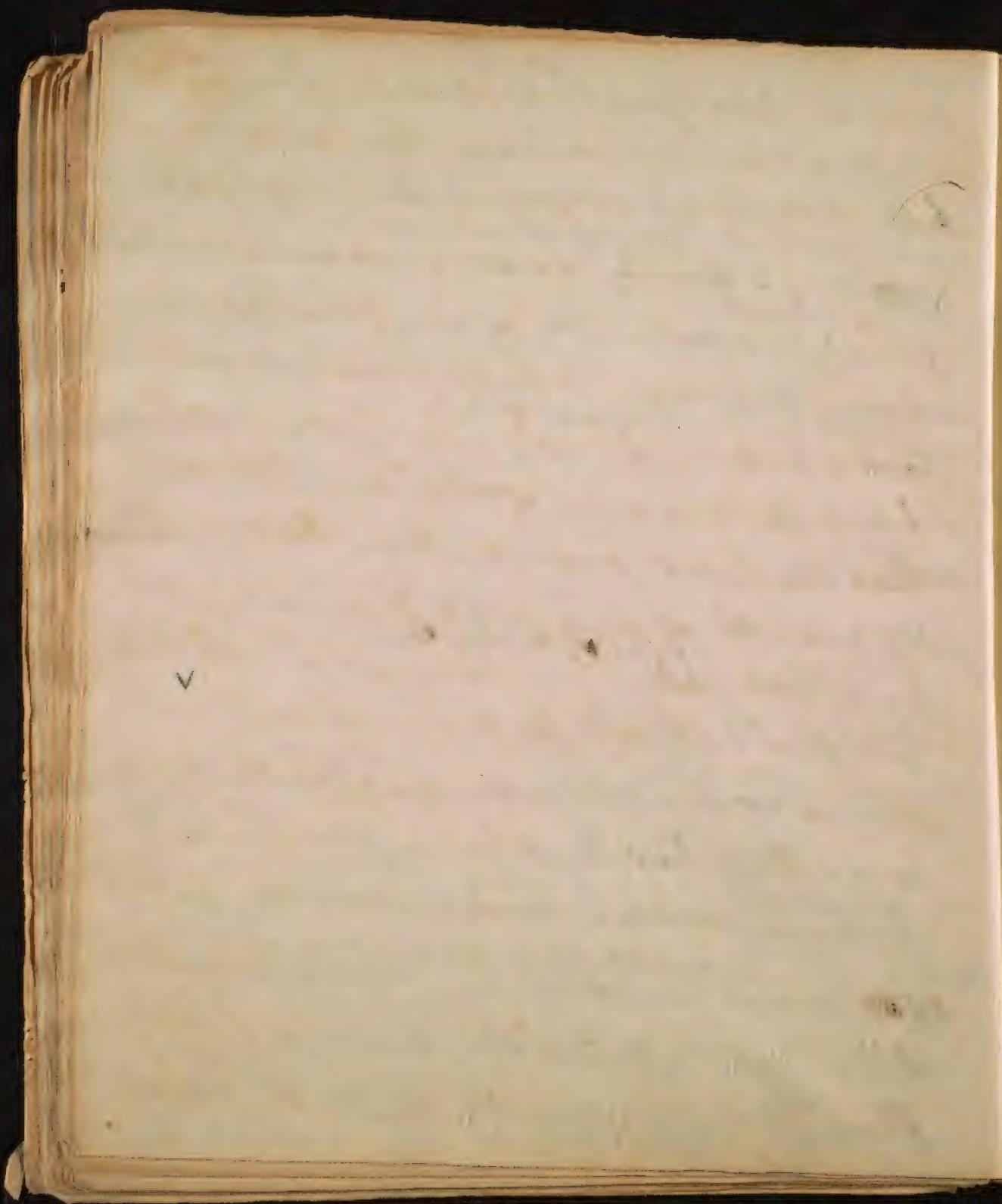
VI The predisposition to this disease is hereditary.
 It is said often to follow the father, than the
 mother. A certain Bethiah Hinsbury died
 at Franklin on the 24th of Feb: 1790 of this
 disease. Both of her parents - 3 brothers & a
 sister all died with it six years before her. 40

✓ The more variable the weather, the in
middle latitudes, the more frequent, the
consumptions. ^{Weather in the} The year 1803 was unusually
variable in France - which for the number
of deaths from that disease. They were ascribed
to the frequent & sudden changes in the
weather in that year. The month of March
in our climates derives its fatal influence upon
this disease chiefly from the frequent & distant
changes in the weather.

Not peculiar to this disease to be spread thro' a
whole family of children ^{without being derived from} ~~without~~ ^{I find formerly} the
parents. The same thing has taken place
in baby - Epilepsy - see Dr. Dugreeps. —

+ A student of medicine who attended those lectures
in 1807 Mr. Shoolfield, informed me that he
had lost 7 Brothers & Sisters ⁱⁿ this disease, & that
he himself had a weak breast, but that his
grand father had died at 82 & his grand mother
nearly to the same age, & that his father &
mother were both free from every symptom of the
disease.

Deaths of persons belonging to her father's family in
including those which have been mentioned
had occurred in 38 years. They were all agri-
culturists, ~~regarding him longest without~~
VII. It is a ~~filial~~ ^{family} disease, and exists in whole
families ~~independantly~~ of any predisposition
from ancestors. Drhois of many land has
lost ^{all his} ~~but one~~ ^{in number} children by it, and yet neither ever
his wife, nor any of their ancestors ever
had the least predisposition to it. ^{In} ~~for~~
the month of Aug 1793 I was consulted
by a Mr. Gale, ^{aged 21 of Avery road} in a Consump: He had
lost five brothers & sisters with it, & yet
none of his ancestors had been subject
to it: This had lived in a place subject to
Intermittents. ^{& putridous} It is
VIII. variable climates ^{apt to produce}
X. Moist countries are most ~~subject to~~ ^{apt to}
this disease, provided they lie near the sea
shore. From $\frac{1}{4}$ to $\frac{1}{2}$ of all the adults



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who die in Britain &c will always
perish with this disease. In the town of
Salem there died in the year 1799-1809
persons - 53 of whom died of Consumption,
making in all nearly $\frac{1}{3}$ of the whole
number. 8 more died of what is called
a lung fever - probably - of what we call
here a Galloping Consumption. Salem is
^{situated} near the sea, & the air there in it
is generally moist from the East winds
which blow over it. Consumption ^{is} more ^{common} &
in Boston - Rhode Island & New York from
their damp winds & vicinity to the few
than they are in Philadelphia. - The greater
mortality of this disease near the seashore
is owing to the higher tone of inflammation
diseases are apt to assume in such situa-
tions. Dr Hinley who removed from

In the neighbourhood of Cape May in New Jersey
which is near the Seashore there are three
religious societies among whom the influence
prevailed in the year 1790. Its mortality
~~Mortality~~ of this disease which is seldom
great at a distance from the sea, was
~~and~~ was in the ratio of their vicinity to
the Seashore under equal circumstances.

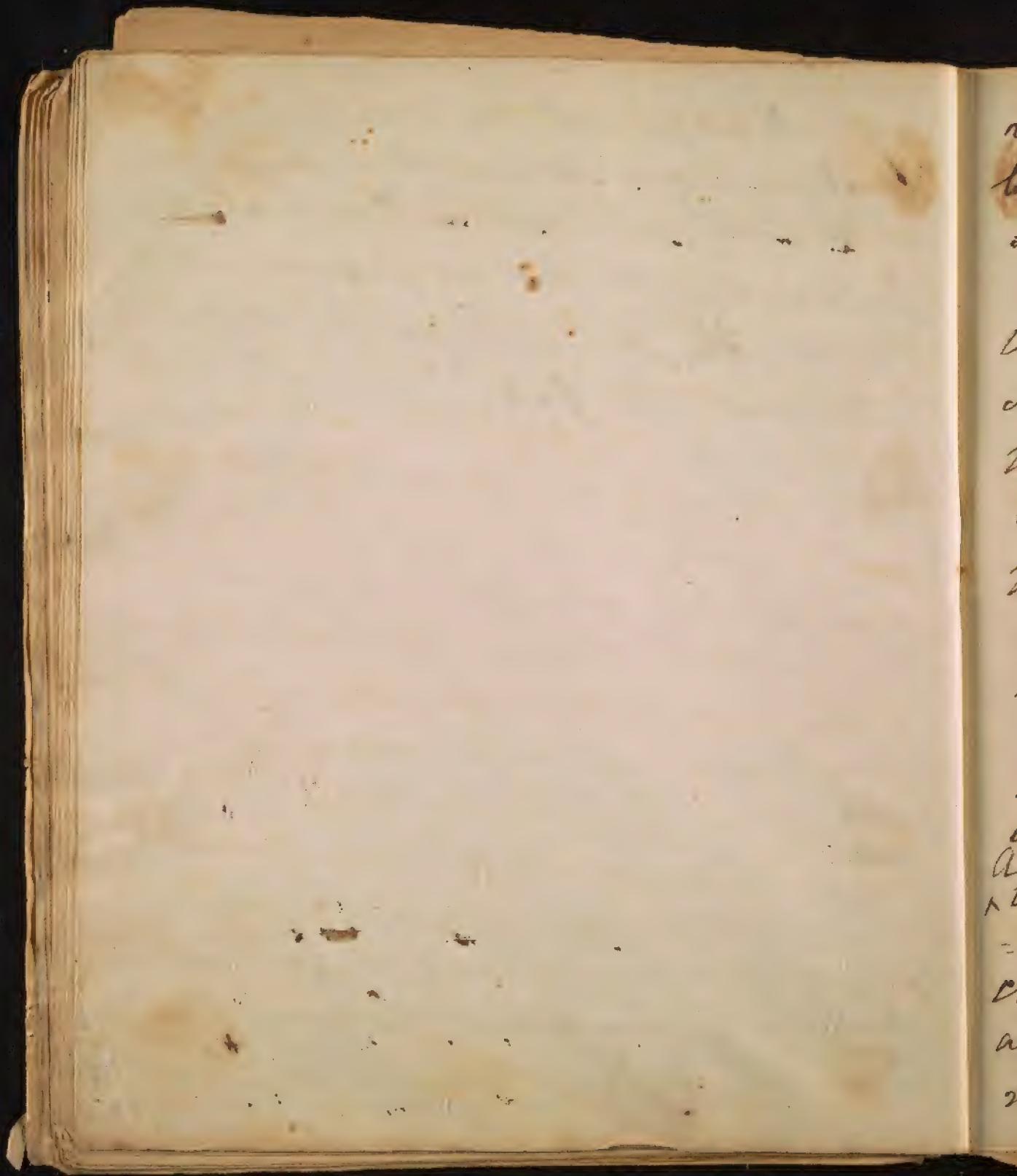
The Deaths were greatest most numerous
among the Presby^{rs}: who lived nearest the sea,
& least so among the Baptists who lived at
the greatest distance from it. ~~These~~ ~~so~~ ~~tiny~~ ~~as~~

These facts are important, as they show the
^{Disposition} of the sea air to add to the diseases of lungs,
~~depth~~ and the ^{nepul} ~~raref~~ of course of advising unsuspicious
patients to ~~keep~~ ~~abstain~~ from it

an inland parish, to Beaufort in South Carolina informed me that the disease in the latter place (which lies near the sea) required, the buried much more than the ~~the~~ same disease in the interior part of the state.

In the first part of ~~that part of~~ ~~1808~~ Cape May in New Jersey which is ^{among whom the} shore there are 3 religious Societies, the Presbyterians who prevailed in 1790 - The Presbyterians who lived near the sea lost most ^{under equal circumstances} with the Quakers who lived next to them lost ^{admirably} the greatest number, & the Baptists who lived most remote from the sea lost the fewest of their number by death.

These facts are interesting, for they show that the consumption tho' more frequent near the sea shore than elsewhere is



not necessarily ~~was~~¹⁵ mortal there,
but that it requires more vs. than the
~~and~~ it requires in other situations]

That moisture alone does not predispose to
consumption I infer from the disease being
rarely known in the inland parts of
Holland - in the fens of Lincolnshire, &
in many parts of Ireland. ~~the plentiful~~
~~for~~ In moist countries remote from the
Sea, other causes therefore must concur to
produce it. In Britain the debilitating
customs of civilised life act powerfully in
producing it. The same customs have
increased it in the United States ~~the cold ch.~~
~~bad cold which~~
formerly discovered itself in a violent pneumo-
-nony, now appears in ~~as in~~ ^{the} febile
chronic form of Catarrh & Consumption,
and from its not being attended with pain,
nor much fever, secretly undermines the

V There is a great variety in the ~~order~~
order of the symptoms of this disease, ~~and in the~~
It is divided into Stages by authors, which have
been called ~~the~~ ^{division} inflam: the histic-typhus.
- But this is improper - for they do they
should be called States, for they do not succeed
each other in the order that has been named.
- we see it ^{sometimes} in its first stage, and in its last stage,
again ^{it} ~~is~~ typhus ^{on} & histic inflam: ~~it~~
we see ^{it} typhus - histic or inflam throughout
its whole course - ~~and lastly~~ we see it
change its type a dozen times into each
of those states of fever, ~~before~~ it puts on
several anomalous symptoms which are
not to be met with in its history by
morsological writers.)

Pathognomonic signs, I have seen a fatal case
in which during its whole course there was
perhaps owing to prolixity forced without inflam: for
not a single chilly fit. I have seen two cases
in such cases Dr Hunter says no chills take place, - It
without a fever - Chills or night Sweats. There
occurred in the Penns: hospital. There
is a similar case recorded in the memoirs of
the medical Society of London. Dr Gibberden says
1 in 20 die of this disease without fever.
3: ^{by} I have seen two cases which termin-
ated fatally in which there was no cough.
In one the patient ^{complained} ~~except~~ only of headache,
in the other, only of an aching in One side,
and an inability to speak except ^{only} in a
whisper. They both had abscesses in their
lungs. [Philipps: negroy & polly Lozley] ~~etc.~~
~~sym from those two cases upon me~~
~~the personal contact of air etc were sufficient to create~~
~~any fever.~~ Tongue ^{upon me} never dry & appetite un-
usually bad. There is ~~no~~ Lassitude from weariness only
& no tetra- or disease in the mps. It keeps a D Bond.

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constitution by disorganized the lungs before medical aid is called, & hence the greater frequency of consumptions in our country than 50, or 60 years ago. Cold climates do not often produce consumption nor very hot ones, but they are both unfriendly to consumptive people. Few have recovered who have been sent to the West Indies for ~~the cure~~ from this disease, from Philadelphia. Dr Blane says between the 30th & 40th degrees of latitude are most friendly to consumptive patients. ✓ ^{order & origin of symptoms}

~~There is a great variety in the symptoms of this disease, Authors divide it into 1, 2, 3: or inflam, tertian & typhus stages, and describe each of these stages as if they were always along uniformly appeared in them, & has every thing to do with many cases.~~ I beg your attention to these facts. They are intended to deliver you from the trammels of nomenclature, & assist a ~~prudent~~ looking for, of pathognomonic signs of diseases. ~~the various names with their significations~~

XI Diseases, and disorders in nearly every part of the body by conveying morbid action to the lungs become the more remote causes of future Consumption. of this we shall mention proofs presently.

V means establishes the truth of the contagiousness of that fever. ~~Nothing~~ ^{Nothing} can be inferred from ~~the public consumption~~ ^{the public consumption} spreading among all the children of the same family where no predisposition to it is derived from ancestors, for ~~what proves~~ this would prove too much - it would prove that Epilepsy, ^{pubes} I found in 10 out of 11 children ^{and} ~~dead~~ ^{dead} with Persons ^{had} legs and brains which however prevail in the same way among all the children of a family ~~as~~ without being derived from ancestors are all contagious diseases.

The following ~~was~~ ^{was} appearance have been discovered after death by dissection in the pulmonary Consumption. p. 15 - F. 9

It is said to be contagious disease.

Under certain circumstances of inhaling the breath of persons with ulcerated lungs, or sleeping with persons who sweat profusely it is possible the disease may be communicated by Contagion ^{or excretion} but the matter expectorated is often highly acrid & irritating, & when it acts upon the lungs may induce a pulmonary disease, so may the sweets when they become acrid by stagnation. But such cases are very rare. It is true - it is believed to be contagious in Spain & Portugal & the beds and cloathing of persons who die with it are often buried by order of their ^{magistrates} physicians, - but the same thing is done ~~and~~ with the beds & cloaths of persons who die of the yellow fever in our city, & by the same high & medical Authority, but this by no^v

~~✓ Trachea & Larynx. In the latter they always
 occasion hoarseness. 5. Litterious matters & generally
 cold excretions - 6. Offensive odors of bluish lumps - the latter end
 daily after after purgating & ^{are} ~~are~~ 8 substances
 exhaled by the lungs as flour, & fine flax. 9
 abscesses - One or more 10 Ulcers. 11 Thrombosis. These
 are often suddenly produced as in Typhus. 4/5 cases discovered
 before the disease itself. They consist of great
 fire and weight. Instead of 11 it is from infla-
 mations. 13 Description of their size ~~pto~~
 1/2, or 1/4 of what is natural. 14 Hard like
 dried meat, so as to be cut with difficulty.
 15 but one lobe on one side - the other two de-
 pleted by pus. 16 Great dilatation of the heart.
 17 fat interposed here & there in the muscles.
 & 18 Discolored liver & Stomach: all - all from
 the effects only of a pulmonary fever originating
 in general debility. -
 + This in the cavity of the Throat not only
 from rupture of Abscesses in the lungs, but
 from inflamⁿ of the pharynx. The pus is
 excreted from it.~~

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